

MANVEER BASRA

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HIGHLIGHT OF QUALIFICATIONS

- Solid understanding of CS and design fundamentals demonstrated through work on numerous Android Apps
- Proven interpersonal skills developed through open-source collaboration in Google Code-In
- Considerable experience in multiple languages and APIs established by relevant coursework and side-projects

EDUCATION

University of Toronto

B.Sc. Computer Science (Minors: Statistics, Economics)

September 2017 - Present

GPA: 3.6/4.0

SKILLS

Languages

Java, Python, C, HTML, CSS, SQL, JSON, XML, git

Technical Knowledge

Multi-threading, Databases, Unit-testing, Design Patterns

APIs & Frameworks

REST APIs, Selenium, CodeCov, Travis/Circle-CI

PROJECTS

OnTime

November 2018 - Present

- Android alarm manager application built using Java
- Dynamically moves alarm times based on traffic and weather data
 - Applied MVC model to multi-thread UI population averting lag in display
 - Used singleton-pattern to expel memory leaks and process heavy re-instantiating of objects
 - Asynchronously sends HTTP requests to retrieve weather & traffic data as JSON objects

Game Center

October 2018 - December 2018

- Project Manager in a team of five people
- Developed an Android application of multiple mini-games
- Has functionality to login and save/load previous games, and keep track of scores
 - Implemented observer-pattern and dependency-injection to boost code coverage by 14%

Activity Extractor

December 2016 - January 2017

CCExtractor Development

Google Code-In 2016

- Command-line based Python program to scrape viewing activity from streaming sites
- Uses Selenium to interact with browser and retrieve data

ACHIEVEMENTS

- Finished in Global Top 4% (amongst 1,340 candidates) in Google Code-In 2016 and 3rd with CCExtractor Development
- Ranked Gold in Regional, and Bronze in Provincial BC Skills Canada Graphics Design Competition